

Change of directional electron ...

S/109/62/007/004/006/018
D230/D302

velocity. In order to verify the theoretical results and to define the function r_1 , a method of double differentiation of the difference current was employed. There are 9 figures and 7 Soviet-bloc references.

ASSOCIATION: Moskovskiy energeticheskiy institut, kafedra osnovy radiotekhniki (Moscow Power Institute, Department of the Principles of Radio Engineering)

SUBMITTED: July 8, 1961

Card 3/3

LOBOV, G.D.; ZAKHAROV, V.V.

Change in the directed current of electrons in a gas discharge
acted upon by a microwave field. Radiotekh. i elektron. 7
no.4:652-662 Ap '62. (MIRA 15:3)

1. Moskovskiy energeticheskiy institut, kafedra osnovy radiotekhniki.
(Microwaves) (Radio detectors)

L 01013-65

ACCESSION NR: AP5020136

UR/0109/65/010/008/1545/1546
621.391.828:621.385.6

7
B

AUTHOR: Lobov, G. D.

TITLE: A method of low-frequency noise reduction in gas-discharge detectors

SOURCE: Radiotekhnika i elektronika, v. 10, no. 8, 1965, 1545-1546

TOPIC TAGS: detector, gas discharge detector, noise reduction

ABSTRACT: A gas-discharge detector for the uhf band with a component for reducing output noise arising from the cathode glow discharge is described. The detector circuit, with a two-section gas-discharge tube, is shown in Fig. 1 of Enclosure. The tube has two columns of ionized gas emanating from the common cathode. Only one gas column is subjected to the uhf field in the vicinity of the cathode. Since the noise source is singular, the noise currents in the anode output circuits are correlated. The subtraction of the two outputs will subtract the correlated noise components and thus reduce the output noise level. The factors influencing the magnitude of this noise are the cathode material and its geometry, the gas element and its pressure, and the external circuit parameters. It was empirically established that the noise correlation increases when the electrodes are closely spaced. Re-

Card 1/3

L 61013-65

ACCESSION NR: AP5020136

duction of the noise level for the normal mode of operation was found to be 4-6 db.
The reduction observed for other frequency bands and current levels was 15-18 db.
Orig. art. has: 1 figure. [BD]

ASSOCIATION: none

SUBMITTED: 13Feb64

ENCL: 01

SUB CODE: EC

NO REF SOV: 002

OTHER: 000

ATD PRESS: 4062

Card 2/2

L 61013-65

ACCESSION NR: AP5020136

ENCLOSURE: 01

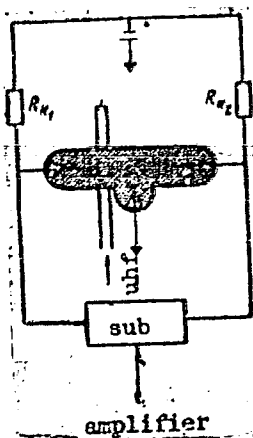


Fig. 1. Detector circuit with subtractor unit (e.g., differential amplifier)

Card 3/3

L 40369-66 EWT(1)

ACC NR: AP6014242

SOURCE CODE: UR/0109/66/011/005/0879/0885

AUTHOR: Lobov, G. D.; Mamonov, A. I.

ORG: none

TITLE: Effect of the 1-f impedance of a gas-discharge detector on the shape of a SHF detected pulse ²⁵

SOURCE: Radiotekhnika i elektronika, v. 11, no. 5, 1966, 879-885

TOPIC TAGS: microwave detector, gas discharge ^{country} ~~detector~~, SHF

ABSTRACT: Distortion of the voltage pulse across the load of a SHF-gas-discharge detector is investigated; this distortion is related to the discharge-current variation. The gas-discharge impedance is replaced by a series-reactance-resistance equivalent circuit. The signal shape is determined from a differential equation describing the effect of a current pulse flowing in the above

Card 1/2

UDC: 621.385.11:621.376

L 40369-66

ACC NR: AP6014242

equivalent circuit. Oscillograms of an experimental verification carried out with He- and Ne-filled detectors operating at $\lambda = 3$ cm are presented. It is recommended that the load resistance be selected in accordance with the (rather low) resistive component of the gas-discharge impedance. Orig. art. has: 7 figures and 28 formulas.

SUB CODE: 09 / SUBM DATE: 23Dec64 / ORIG REF: 001 / OTH REF: 003

Cord, 2/2 hs

LOBOV, G.T.

Checking the quality of Kirghiz coal. Standartizatsiia 27
no. 7155 My '63. (MIRA 16:6)

(Kirghizia—Coal—Testing)

LOBOV, G.T.

Conference on standardization in machinery plants of Central
Asia. Standartizatsiia 28 no.3:55 Mr'64. (MIRA 17:5)

LOBOV, I.M., inzhener.

Experience in operating a reconstructed kiln at the "Krasnyi oktiabr'"
plant. TSement 20 no.2:6-7 Mr-Ap '54. (MIRA 7:5)
(Cement kilns)

LOBOV, I.M., inzh.; SIDOROVA, R.M., inzh.; TOROPOV, Ye.V., inzh.;
PEREPELKINA, L.I., tekhnik

Better heat conditions for blast furnace air preheater
operations. Stal' 22 no.8:695-696 Ag '62. (MIRA 15:7)

1. Magnitogorskiy metallurgicheskiy kombinat.
(Air preheaters)

KHUSID, S.Ye.; ITSKOVICH, I.A.; MITVAK, I.S.; LOBOV, I.M.

Using the Ural-1 computer for calculating taperin: devices. Izm.
tekh. no.3:56-57 Mr '65. (MIRA 18:5)

ACC NR: AT7002854 (N) SOURCE CODE: UR/3239/66/000/003/0061/0069

AUTHOR: Golubchenko, A. I.; Dmitriyev, L. I.; Lobov, I. V.; Shreytul', A. Yu.

ORG: none

TITLE: Investigations of the effect of a marine gas turbined foreward arrangement on combustion chamber characteristics.

SOURCE: Nikolayev. Korablestroitel'nyy institut. Sudostroyeniye i mor'skiye sooruzheniya, no. 3, 1966. Sudovyye energeticheskiye ustanovki (Ship power equipment), 61-69

TOPIC TAGS: gas turbine, gas turbine engine, marine engine, turbine design, combustion chamber, combustion chamber temperature, *flow characteristics*

ABSTRACT: The effect of foreward-arrangement design on the combustion chamber characteristics of marine gas turbines has been investigated on four types of annular combustion chambers burning T-1 GOST 4138-49 kerosene or GOST 4749-49 diesel oil. Flow aerodynamics in the combustion chamber, combustion completeness, gas-outlet temperature field, combustion-chamber resistance, and the limits of a steady combustion are discussed in detail and individual design features are graphically

Cord 1/2

ACC NR: AT7002854

represented. As demonstrated, axial-velocity distribution in the combustion chamber, combustion completeness relative to the excess-air ratio, mean exhaust-gas temperature, and the combustion chamber's wall temperature and resistance are significantly influenced by the particular design of the combustion chamber's forward arrangement. Generally, the combustion-chamber opening factor ϕ , which is the relationship of all of its apertures to its middle section primarily affects the resistance (increased ϕ decreases resistance, and vice versa); increased recycling improves the combustion conditions, and the use of an airflow whirling device to direct a vortex against the flame-tube walls improves the temperature field of the flame-tube walls and behind the combustion chamber. Orig. art. has: 7 figures and 2 tables.

SUB CODE: 21, 13, 20 / SUBM DATE: none / ORIG REF: 005

Card 2/2

LOBOV, K.

Portable gas cutting unit. Pozh.delo 5 no.4:25 Ap '59.
(MIRA 12:5)
(Gas welding and cutting)

S/120/63/000/001/023/072
E192/E382

AUTHORS: Zhil'tsov, V.P. and Lobov, L.F.

TITLE: Supply circuit with an intermediate storage inductance
for stroboscopic pulse tubes

PERIODICAL: Pribery i tekhnika eksperimenta, no. 1, 1963,
101. - 104

TEXT: The system consists of an intermediate storage device and two switches connected into the discharge circuit (see Fig. 1). The discharge capacitor is permanently connected to the stroboscope tube VJ . The operation of the system is as follows. The keys K_1 and K_2 are in position 1 during the charging period, so that the intermediate storage device is connected to the supply source and is charged; the capacitor C_D is disconnected from the tube and is discharged. On terminating the charging of the storage device the keys K_1 and K_2 are thrown into position 2 so that the intermediate device is disconnected from the source and connected to the capacitor. The energy from the storage device is transferred to the capacitor and the tube

Card 1/3

S/120/63/000/001/023/072
E192/E382

Supply circuit

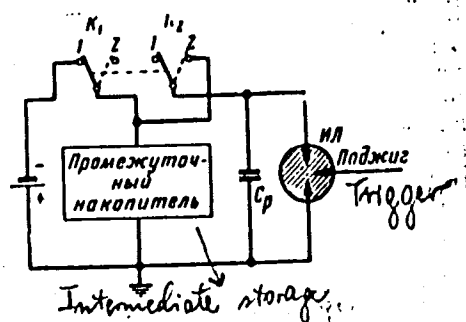
is triggered at the instant when C is fully charged. The keys K_1 and K_2 are then returned to position 1 and the process is repeated. A capacitor, delay line or choke can be used as the storage device. In the system described this was in the form of an inductance (choke). The key K_1 was replaced by an electron tube and K_2 by a thermionic diode. A special circuit for feeding the stroboscope tube, type $MCU 300$ (ISSh 300), based on this principle was devised. This was capable of supplying power of 300 W at 6-7 kV at frequencies up to 400 c.p.s. One of the advantages of the supply system with an intermediate storage inductor is that the output voltage of the power supply feeding the inductor can be six to eight times lower than the operating voltage of the tube. There are 4 figures.

SUBMITTED: March 3, 1962

5/120/63/000/001/023/072
E192/E382

Supply circuit

Fig. 1:



Card 3/3

LOBOV, L.M.

Pneumatic belt for uterine inertia in the second stage of labor.
Akush. i gin. 38 no.5:100-102 S-0 '62.

(MIRA 17:11)

1. Iz kafedry akusherstva i ginekologii (zav. - prof. P.Ya. Lel'chuk)
Rostovskogo-na-Donu meditsinskogo instituta.

LOBOV, M., inzhener

~~LOBOV, M. (inzhener)~~

Experience in flying without radiomen on board. Grazhd. av. 12
no. 4:23-24 Ap '55. (MLRA 8:9)

(Navigation (Aeronautics))

LOBOV, M.F.

Cell juice concentration in spring wheat leaves in case of an
inadequate water supply. Trudy Inst.fiziol.rast. 6 no.1:245-253
'48. (Wheat) (Sap) (Leaves) (MIRA 9:9)

LOBOV, M. F.

"Methods of Determining the Water Requirements of Crops during
Irrigation," Dok. AN, 66, No. 2, 1949. Southern Sci. Res.
Inst. Hydrotechnics and Development, 1949-.

Lobov, M. F.

USSR.

GERM.

The relation between growth and the concentration of the cell sap of plants. M. F. Lobov (Southern Sci. Research Inst. Hydrotech. Development, Novocherkassk, Russia). *Botan. Zhur.* 36, 21-8(1951); *Chem. Zentr.* 1951, II, 3607.—Expts. were carried out on various kinds of trees and shrubs and on prairie and meadow grasses. During the period of most intensive growth all these plants showed a concn. of cell sap corresponding to a max. of 10 atm. osmotic pressure. In summer and early autumn, whether the water supply was sufficient or insufficient, the concn. of cell sap in the stem tissue of all plants remained const. at a value corresponding to about 4 atm. In blossoms and fruits the process of growth took place at the same concn. of cell sap (under 10 atm.): in the ripened fruits and berries it increased toward the end of growth to values corresponding to more than 10 atm. In an especially dry year the cell-sap concn. increased after the complete cessation of growth in the early autumn to values as high as 17 atm. Daily fluctuations occurred. The sap concn. was low in the morning, increased to a max. at 1-2 P.M., then decreased to a min. during the night. Thus, growth was most intensive during the night. The relations established between cell-sap concn. and plant growth make it possible to det. the degree of concn. of the cell sap and thus det. the optimum time for the irrigation of agricultural crops. Expts. carried out with potatoes, tomatoes, and cabbage indicated that yields were less when watering was done after the cell-sap concn. had reached values corresponding to 12 atm. than when it was done when the concn. corresponded to 10 atm. and 8 atm. The last case gave the highest yields.

M. C. Moore

BTR

4825* The Transpiration of Plants With Various Degrees of Soil Moisture. (In Russian.) M. F. Leboy. *Doklady Akademii Nauk SSSR*, new ser., v. 81, Nov. 1, 1951, p. 101-104. Experiments on the above showed that the intensiveness of transpiration depends on the water supply of the plant. Results are discussed from the point of view of more economical irrigation. Data are tabulated. 14 ref.

LOBOV, M. F.

"The Physiological Basis for the Proper Irrigation of Vegetable Crops." Dr Biol Sci,
Inst of Plant Physiology imeni K. A. Timiryazev, Acad Sci USSR, Moscow, 1954. (KL, No 1,
Jan 55)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational
Institutions (13)

SO: Sum. No. 598, 29 Jul 55

Lobov, M. F.

COUNTRY : USSR
 CATEGORY : Cultivated Plants - Potatoes, Vegetables, Cucurbits.
 AIC. JOUR. : 77hBiol., No. 14, 1958, No. 63494
 AUTHOR : Lobov, M. F.
 INST. :
 TITLE : Irrigation according to the Requirements of Vegetable Crops.

OPIC, FIB. : Sad i ogerod, 1956, No. 5, 17-21

ABSTRACT : experiments on the vegetable crops and potatoes conducted under the conditions of Kostovskaya oblast', showed that the growth processes in the crops studied, proceed most intensively with the water content of the protoplasm being in the range of 90-95 % (i.e. with the concentration of the cell sap in the range of 5-10%). Lowering of the water content to 33% is already accompanied by cessation of growth. In order to establish the periods of irrigation, it is recommended to determine periodically the water supply of the plants according to the concentration of dry materials in the cell sap of the leaves. An ordinary field refracto-

Card: 1/2

64

LOBOV, M.F.; SAGAYDOKOVSKAYA, V.N. ; doktor biologicheskikh nauk.

Stubble crops in irrigated areas in Rostov Province. Zemledelie
4 no.8:117-119 Ag '56. (MLRA 10:1)
(Rostov Province--Irrigation farming)

M

Country : USSR

Category: Cultivated Plants. Grains.

Abs Jour: RZhBiol., No 11, 1958, No 48897

Author : Lobov, M.F.; Rudey, B.Z.; Stadnichuk, P.F., Vlasova,
A.S.

Inst : -

Title : Effect of Fertilizers on the Yield and Chemical Composition of Grain under Conditions of Irrigation.

Orig Pub: Kukuruz, 1956, No 9, 31-32

Abstract: No abstract.

Card : 1/1

M-43

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930330003-0

Name: LOBOV, Mikhail Fedorovich

Dissertation: Physiological Basis for the proper irrigation of vegetable crops

Degree: Doc Biol Sci

Affiliation: [Not indicated]

Defense Date, Place: 28 Feb 55, Council of the Inst of Physiology of Plants imeni Timiryazev, Acad Sci USSR

Certification Date: 1 Jun 57

Source: RMVO 16/57

M-5

Country : USSR
CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 87065

AUTHOR : Lobov, M. F.
INST. : Academy of Sciences USSR
TITLE : Determination of the Time of Watering of Vegetable Crops on the Basis of Concentration of Cellular Juice
ORIG. PUB. : Sb.: Biol. osnovy vroschayem. zemled. Moscow, AN SSSR, 1957, 147-156

ABSTRACT : Description of a method of determining the time of watering of vegetable crops on the basis of the index of concentration of cellular juice. Concentration of cellular juice in leaves is determined under field conditions by means of the refractometer. A drop of the expressed juice is placed on the prism of the refractometer and after bringing it in contact with the plane of the illumination prism, the index of solids is read off the scale. This process requires only 2-3 minutes and is sufficiently accurate. Regularities of concentration indices of cellular juice, are described, depending upon tiers of leaves, moisture content of the soil, air temperature, relative humidity of the air, wind conditions, time

CARD: 1/2

APPROVED FOR RELEASE: 06/20/2000

CIA-RDP86-00513R000930330003-0

CATEGORY :

ABS. JOUR. : RZBiol., No. 19, 1958, No. 87065

AUTHOR :
INST. :
TITLE :

ORIG. PUB. :

ABSTRACT : of the day, soil aeration, and application of fertilizers. A single threshold of concentration of cellular juice (10%) has been established for all species of vegetable plants. The author believes that watering of vegetable crops should be carried out when concentration of cellular juice reaches this value: in cabbages -- in leaves of the 2nd tier; in tomatoes -- in the leaf of the first flower cluster; in sweet peppers and in eggplants -- in the 5-8th leaves; in beets and carrots -- in leaves of median tiers; in cucumbers -- in the 4-6th leaves.

Ye. F. Linnik.

CARD: 2/2

back/Culture. 11. - Commercial. - 1950. - 1950. - 1950.

Int Jour : 1. - 1950. - 1950. - 1950.

Author : 1. - 1950. - 1950. - 1950.

Title : 1. - 1950. - 1950. - 1950.

Orig lab : 1. - 1950. - 1950. - 1950.

Orig lab : 1. - 1950. - 1950. - 1950.

Abstract : 1. - 1950. - 1950. - 1950.

Card 1/1

- 125 -

LOBOV, M.F.

"Interaction between the scion and stock of plants" by A.S.Kruzhilin. Reviewed by M.F.Lobov. Fiziol. rast. 9 no.1:127-128 '62. (MIRA 15:3)

(Grafting) (Kruzhilin, A.S.)

LOBOV, M. I.

32485. Nekotoryye dannyye o rabote gidroelevatorov na Farkh-dresstroye. Gidrotekhn. stroit-vo, 1949, No. 10, s. 17-18.

SO: Letopis' Zhurnal'nykh Statey, Vol. 50, Moskva, 1949

LOBOV, N.A., assistant

Theory of automatic control of mine hoisting machinery having
asynchronous drives. Izv. vys. ucheb. zav.; mashinostr. no. 3/4:
112-123 '58. (MIRA 12:5)

1. Moskovskoye vyssheye tekhnicheskoye uchilishche im. N.Ye. Baumana.
(Mine hoisting) (Automatic control)

LOHOV, N. A., Candidate Tech Sci (diss) -- "Investigation of certain problems of automation of mine hoist equipment with asynchronous drive during the deceleration period". Moscow, 1959. 15 pp (Min Higher Educ USSR, Moscow Order of Lenin and Order of Labor Red Banner Higher Tech School in Bauman), 150 copies (KL, No 24, 1959, 138)

LOBOV, N.A., assistant

Stability of automatic speed control systems for mine hoisting machinery. *Izv.vys.ucheb.sav.; mashinostr.* no.6:24-34
(MIRA 13:5)
'59.

1. Moskovskoye vyssheye tekhnicheskoye uchilishche in. N.E. Bauman.
(Mine hoisting) (Automatic control)

LOBOV, N.A., inzh.; PIKOVSKIY, S.A. , inzh.; GINZBURG, V.B., inzh.

Automatizing skip-hoisting equipment at the No.11 "Lipkovskaya"
Mine. Ugol' 34 no.3:42-47 Mr '59. (MIRA 12:5)
(Moscow Basin--Mine hoisting)
(Automatic control)

LOBOV, N.F.; SHVYDCHENKO, L.I., redaktor; POPOVA, N.A., tekhnicheskiiy redaktor

[Practices of leading irrigation workers] Opyt peredovykh polival'-
shchikov. Rostov-na-Donu, Rostovskoe kn-vo, 1953. 27 p. (MLRA 10:1)
(Irrigation farming)

1. LOBOV, N. F.
2. USSR (600)
4. Irrigation
7. Increasing the productivity of labor of irrigation workers in new irrigation districts. Dost. sel'khoz. no. 3, 1953

9. Monthly List of Russian Accessions, Library of Congress, June 1953. Unclassified.

LOBOV, N. F.

LOBOV, N. F. -- "Irrigation of Potatoes in Rostov Oblast." Min Water Economy RSFSR. Southern Sci Res Inst of Hydraulic Engineering and Soil Improvement (YuzhNIIGiM). Novochoerkassk, 1955.
(Dissertation for the Degree of Candidate in Agricultural Sciences).

SO: Knizhnaya Letopis', No 9, 1956

USSR/Cultivated Plants. Potatoes. Vegetables. Melons.

M

Abs Jour: Ref Zhur-Biol., No 5, 1958, 20315.

Author : N.P. Lobov

Inst : Southern Scientific Research Institute for Hydrotechnics
and Melioration.

Title : The Cultivation of Potatoes on the Irrigated Soils of
Rostovskaya Oblast'. (Vozdelyvaniye kartofelya na oroshayemykh
zemlyakh Rostovskoy oblasti).

Orig Pub: Sb. tr. Yuzhnogo n.-i. in-ta gidrotekhn. i melior., 1956,
vyp. 4, 235-245.

Abstract: The agrotechny of potatoes is presented when irrigating
on flood-land soils and the rates of irrigating water
needs.

Card : 1/1

LOBOV, N.F., starshiy nauchnyy sotrudnik

Seminar on irrigation farming. Gidr. i mel. 12 no.11:56-57 N '60.
(MIRA 14:1)

1. Yuzhnyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii.

(Irrigation farming)

LOBOV, N.F., kand.sel'skokhozyaystvennykh nauk

Conference on irrigation farming in the Chechen-Ingush A.S.S.P.
Gidr. i mel. 13 no.1:59-60 Ja '61. (MIRA 14:2)

1. Yuzhnyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii.
(Caucasus, Machinery—Irrigation farming—Congresses)

LOBOV, N.F., kand.sel'skokhoz.nauk

Zonal scientific and technological conference on irrigation.
Gidr.i mel. 14 no.11:63 N '62. (VIPA 15:12)

1. Yuzhnyy nauchno-issledovatel'skiy institut gidrotekhniki i
melioratsii.
(Irrigation--Congresses)

LOBOV, N.F., kand.sel'skokhoz.nauk

Scientific achievements in production; from the work of the
Southern Scientific Research Institute of Hydraulic Engineering
and Land Reclamation. Gidr. i mel. 15 no.4:20-23 Ap '63.
(MIRA 16:5)

(Irrigation research)

LOBOV, N.F., kand. sel'skokhoz. nauk

Regional seminar on irrigation. Gidr. i mel. 15 no.9:64
S '63. (MIRA 17:1)

1. Yuzhnyy nauchno-issledovatel'skiy institut gidrotekhniki
i melioratsii.

IOBOV, N.I., inzh.

Three workers from No. II railroad repair shop in Irkutsk.
Elek. i topl. tiaga 7 no.3:20 Mr '63. (MIRA 16:6)

(Irkutsk—Railroads—Repair shops)
(Irkutsk—Railroads—Employees)

LOBOV, N.M.; TIMOKHIN, A.P.

Some results of the work in the mechanization of production in the textile enterprises of the Moscow Region. Tekst.prom. 25
no.11:23-28 N '65. (MIRA 13:12)

1. Glavnyy spetsialist po tekstil'noy promyshlennosti TSentral'nogo proyektno-konstruktorskogo tekhnologicheskogo byuro Moskovskogo soveta narodnogo khozyaystva (for Lobov). 2. Glavnyy inzhener proyekta po tekstil'noy promyshlennosti TSentral'nogo proyektno-konstruktorskogo tekhnologicheskogo byuro Moskovskogo soveta narodnogo khozyaystva (for Timokhin).

LUK'YANOV, G.F., inzh.; LOBOV, O.I., inzh.

Double-superphosphate plant located in a pavilion-type building.
Prom. stroi. 42 no.12:34-37 D '64. (MIRA 18:3)

1. Ural'skiy Promstroyniiprojekt.

69084

S/120/60/000/01/024/051

E192/E382
EYG. U.S.

9.4/00

AUTHORS: Lobov, S.I., Tsukerman, V.A. and EYG. U.S.

TITLE: A Controlled Low-pressure Discharge Tube

PERIODICAL: Pribery i tekhnika eksperimenta, 1960, Nr 1,
pp 89 - 92 (USSR)

ABSTRACT: The tube described is a triode in which the main gap operates on the left-hand side of the Paschen curve, while the control gap operates at the minimum of the curve. In this way, it was possible to obtain a high breakdown of the main gap (of the order of 15 kV) and a low breakdown for the control gap (about 500 V). The discharge tube is illustrated in the diagram of Figure 1 and its operating circuit is shown in Figure 2. The tube is filled either with argon or helium at pressures of 0.2 to 0.7 mm Hg and has a diameter of 27 mm and an overall length of 80 mm. It consists of: an anode 1; a cathode 2; an auxiliary electrode 3 (Figure 1). The auxiliary or control electrode is separated from the anode by the base electrode or the cathode. The base electrode contains an aperture in its

Card1/3

69084

S/120/60/000/C1/024/051

E192/E382

A Controlled Low-pressure Discharge Tube

centre and a priming discharge passing a current of 10 μ A is maintained between the auxiliary electrode and the base. The polarity of this discharge is such that the base electrode receives positive ions. Since a positive voltage is applied to the anode, the ions cannot pass through the aperture. A negative control pulse is applied to the auxiliary electrode.. This results in the "reversal" of the auxiliary discharge and leads to the breakdown of the auxiliary gap. The electrons produced in this discharge pass through the aperture and initiate the main discharge between the base electrode and the anode. A number of test tubes based on the above principle were produced. These were tested at voltages ranging from 12 - 14 kV. It was found that the tubes can operate at voltages ranging from 2 - 10 kV. The tubes can be triggered by a pulse having an amplitude of 2 kV with a front slope of 5 kV/ μ s. The energy necessary for the ignition of the main gap is about 10^{-5} joules. The lag between the application of the

Card2/3

69084

S/120/60/000/01/024/051

E192/E382

A Controlled Low-pressure Discharge Tube

control pulse and the appearance of the main discharge is about 0.2 to 0.04 μ s; at lower anode voltages the time lag can increase to 0.1 μ s. The tubes can be employed to switch currents of up to 5 kA. Under those conditions, they are capable of several thousand operations without a serious deterioration. The authors express their thanks to L.G. Sinel'nikova for taking part in the preparation and the measurement of the tubes. There are 4 figures and 3 Soviet references.

SUBMITTED: January 14, 1959

Card 3/3

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APPROVED FOR RELEASE: 06/20/2000

33151

S/120/60/000/006/019/041

CIA-RDP86-00513R000930330003-0"

E032/E114

9,2140(11001,1150,1161)

AUTHORS:

Lobov, S.I., and Kanunov, M.A.

TITLE:

PERIODICAL: Priory i tekhnika eksperimenta, no.6, 1961, 94-96

TEXT:

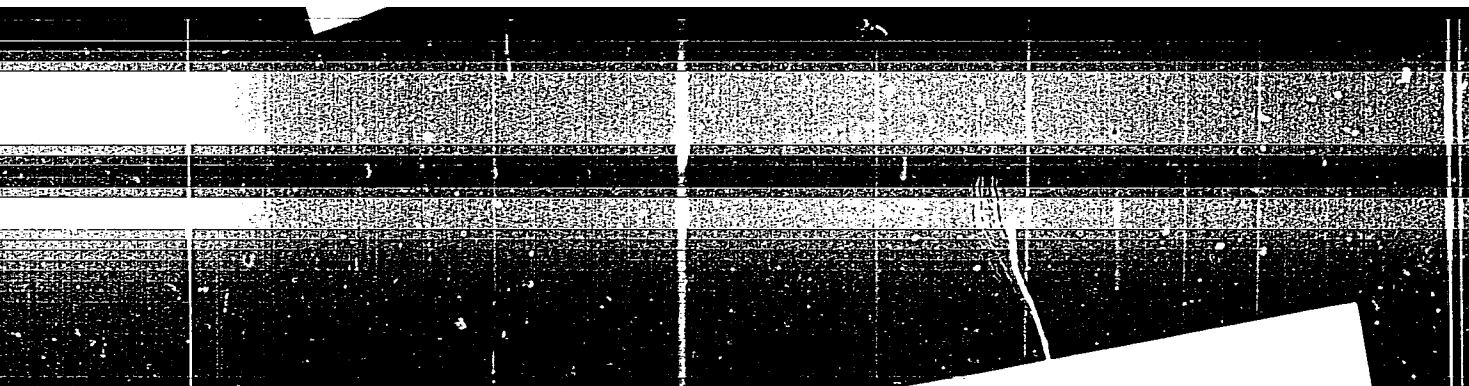
The device described by the present authors is suitable for use as a switch for high-current (kiloamperes) pulses. It is illustrated in Fig 1 (A - anode; K - cathode; C - intermediate electrode; M - intensifying electrode; 3 - insulating glass ring; N - screening cap). The main discharge gap between the electrodes A and K is separated by the intermediate electrode C which contains an axial aperture. The intensifying electrode N is located inside the cathode and is insulated from it by a glass ring. The cathode carries a metal cap which prevents the disintegration of the glass. The cap also has an axial aperture. One can show, using the Paschen curve, that the breakdown potentials of the two electrodes is smaller than the breakdown potentials of a third and infinitely thin electrode. In the present discharger the gaps AC and CK are connected

Card 1/4

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A controlled doubly triggered ...

33151
S/120/61/000/006/019/041
EO32/E114

The load Z can be either a capacitance, an inductance or a resistance. In the other circuit (Fig.36) the load Z is removed and the electrode Γ receives the negative voltage pulse from the other end of the transformer coil. Both circuits ensure that the gap ΓK breaks down first. This breakdown serves as a source of charged particles which are necessary to prevent a delay between the breakdown of CK and AC, and also as a starting pulse for the electrode C whose potential may increase independently of the stage of the gap ΓK . Under these conditions, the discharge across CK occurs at a voltage approximately equal to the static discharge voltage. The electrical discharge across CK occurs from the edge of the aperture in the electrode C. When this happens the electrode C is found to be at the same potential as the cathode, and the working voltage appears across AC whose breakdown potential is arranged to be close to the working voltage. It follows that as soon as CK sparks over, AC will also discharge. As a result, there is a common discharge channel between A and K through the aperture in C and the discharger fires.

Card 3/5

A controlled doubly triggered ...

33151
S/120/61/000/006/019/041
E032/E114

Acknowledgments are expressed to V.A. Tsukerman,
P.M. Tochilovskiy and N.I. Orlov for assistance during this
work and in the preparation of prototype dischargers.
There are 3 figures and 4 references; 3 Soviet-bloc and
1 non-Soviet-bloc. The English language reference reads as
follows:

Ref.1: F.S. Coucher, J.R. Hoynes, W.A. Depp, E.J. Rider.
Bell System Techn. J., v.25, October 1946.

SUBMITTED: April 3, 1961

APPROVED FOR RELEASE: 06/20/2000
Card 4/5

CIA-RDP86-00513R000930330003-0"

LOBOV, S.I.; KANUNOV, M.A.

Controlled discharge device with a double ignition. Prib. 1
tekh.eksp 6 no.6:94.96 N-D '61. (MIRA 14:11)
(Electric switchgear)

L 17318-63

EWP(k)/EWP(q)/EWT(m)/BDS

AFFTC/ASD

PF-4/Pad

JD/HW

ACCESSION NR: AP3004912

S/0120/63/001/004/0164/0169

65

AUTHOR: Lobov, S. I.; Tsukerman, V. A.

TITLE: Measuring foil and film thickness with soft X-rays

SOURCE: Pribery*16*i tekhnika eksperimenta, no. 4, 1963, 164-169

TOPIC TAGS: foil, film, measuring foil thickness, measuring film thickness, soft X-rays

ABSTRACT: Experimental studies are reported of measuring metal foils and organic films 10^{-2} - 10^{-5} -cm thick by means of soft bremsstrahlung and characteristic X-rays. A tritium-loaded Zr target was used as a source of radiation and a Geiger counter (SBT-9 end-window type), as a detector. Experimental attenuation-thickness curves for Al, Ni, and Ag foils and celluloid film are presented. It was found that a 3×10^{-6} g/cm² sensitivity can be achieved by selecting the wavelength of characteristic radiation corresponding to the

Card 1/2

L 17318-63

ACCESSION NR: AP3004912

selective absorption of the foil materials on K-, L-, or M-level. It is claimed that the method is efficient for $(5 \text{ to } 30) \times 10^{-6} \text{ g/cm}^2$ sheet materials where other known methods are hardly applicable. Orig. art. has: 6 figures and 5 formulas.

ASSOCIATION: none

SUBMITTED: 20Sep62

DATE ACQ: 28Aug63

ENCL: 00

SUB CODE: PH, IE

NO REF SOV: 009

OTHER: 004

Card 2/2

L 14971-66 EWT(m) DIAAP
ACC NR: AP6003243

SOURCE CODE: UR/0020/65/165/006/1278/1279

AUTHOR: Lobov, S. I.; Tsukerman, V. A.

ORG: none

TITLE: Use of radioactive sources of characteristic radiation for x-ray structural analysis

SOURCE: AN SSSR. Doklady, v. 165, no. 6, 1965, 1278-1279

TOPIC TAGS: x ray analysis, radioisotope, iron, radiation source, vanadium

ABSTRACT: Fe⁵⁴ foil was irradiated by thermal neutrons to produce a source of radioactive iron. The Fe⁵⁵ content was approximately 0.25%. An exposure time of 5 hours produced weak interference traces from the (011) plane of the iron specimen on x-ray film. It is necessary to separate the Fe⁵⁵ isotope from the Mn⁵⁴ isotope for practical use as a radiation source. It would be desirable to increase the Fe⁵⁵ concentration in the iron foil to 25-30% which would increase the radioactivity of this source by two orders of magnitude over the sources used in this work. Enriched sources may be used successfully in diffractometry when recording the interference

Card 1/2

L 14971-66

ACC NR: AP6003243

maxima of scintillation counters. The use of sources based on radioactive iron and vanadium would cut down on shielding requirements.

SUB CODE: 18/ SUBM DATE: 19Apr65/ ORIG REF: 000/ OTH REF: 000

07/

Card 2/2 *mr*

L 09216-67 EWT(1)/EWT(m)
ACC NR: AP7002767

SOURCE CODE: UR/0089/66/021/002/0112/0116

AUTHOR: Danilin, L. D.; Lobov, S. I.; Pavlova-Verevkina, A. I.; Tsukerman, V. A. 24

ORG: none

TITLE: Radioactive source of soft X radiation for physical investigations, technology, and medicine

SOURCE: Atomnaya energiya, v. 21, no. 2, 1966, 112-116

TOPIC TAGS: radioisotope, x radiation

ABSTRACT: Characteristics and preparation methods for the developing radiation sources using ⁵⁵Fe are described. Uses of the soft x radiation from the isotope .. for investigations of atomic structure, microradiography, and medical purposes are discussed. Orig. art. has: 5 figures. [NA]

SUB CODE: 18 / SUBM DATE: 10Dec65 / ORIG REF: 007 / OTH REF: 001

Card 1/1 mb

UDC: 621.384.60

0925

1645

OREL, A.Ye., admiral; LOBOV, S.M., admiral; AMEL'KO, N.N., admiral;
CHURSIN, S.Ye., admiral

Under the flag of the Soviet fatherland. Mor. sbor. 48
no.7:10-17 JI '65. (MIRA 18:8)

1. Komanduyushchiy dvazhay Krašnoznamennym Baltijskim
flotom (for Orel). 2. Komanduyushchiy Krašnoznamennym
Severnym flotom (for Lobov). 3. Komanduyushchiy Krašnoznamennym
Tikhookeanskim flotom (for Amel'ko). 4. Komanduyushchiy
Krašnoznamennym Chernomorskim flotom (for Chursin).

✓ Effect of potassium, magnesium, and calcium on the intake of nitrogen, and its utilization in the synthesis of proteins in plants. V. Lobov. *Sbornik Stuchesh. Nauch.* 11D

Issledovatel. Rabot Beloruss. Sal'skokhoz. Akad. 1953, No. 1, 5-29; *Referat. Zhur., Khim.* 1954, No. 46510.—The study was carried out with water cultures of barley sprouts. K, Ca, and Mg supplied separately increased the N intake only in nitrate feeding. When applied in twos (K + Mg, K + Ca, and Mg + Ca) as compared to single cations, they increased the intake of nitrate N but lowered the intake of ammonia N. K and Mg increased protein synthesis in nitrate as well as in NH_4 feeding while Ca only in the case of NH_4 feeding. The presence of 2 cations in the nutrient medium increased the utilization of intaken N for protein synthesis. M. Hosh

MALININ, V.; BUDANTSEV, A., naladchik; SINEL'NIKOV, V.; KAUSTOV, V.;
KAKORINA, N.; SILIN, A.; SOKOL'SKIY, A.; LOBOV, V.;
KORTADZE, N.; SEMENOV, A.; ADAMOV, B.

Tribune of the "Communist Youth League Searchlight"
movement. Tekh.mol. 30 no.9:2,3,14,15,16 '62. (MIRA 15:9)

1. Sekretar' Tul'skogo oblastnogo komiteta Vsesoyuznogo
Leninskogo kommunisticheskogo soyuza molodezhi (for Malinin).
2. Mekhanicheskiy tsekh Tul'skogo oruzheynogo zavoda (for
Budantsev).
3. Sekretar' Khar'kovskogo oblastnogo komiteta
Leninskogo kommunisticheskogo soyuza molodezhi Ukrainy (for
Sinelnikov).
4. Sekretar' komiteta kommunisticheskogo soyuza
molodezhi Khar'kovskogo traktornogo zavoda (for Khaustov).
5. Sborochnyy tsekh zavoda priborov imeni Yu.Gagarina g. Orel
(for Kakorina).
6. KZTZ (for Silin).
7. Zamestitel'
sekretyarya komsmol'skoy organizatsii Rostovskogo zavoda
sel'skokhozyaystvennogo mashinostroyeniya (for Lobov).
8. Sekretar' komiteta Kommunisticheskogo soyuza molodezhi shokhty
No.1 tresta "Tkvarcheliugol'" (for Kortadze).
9. Sekretar'
komiteta Kommunisticheskogo soyuza molodezhi sela Kalinovki (for
Semenov).
10. 3-iy mekhanicheskiy tsekh Gor'kovskogo zavoda
frezernykh stankov (for Adamov).

(Communist Youth League) (Efficiency, Industrial)

LOBOV, V., kand. biolog. nauk; YEFIMOV, G. [IEfimov, H.], nauchnyy
sotrudnik

Chemical protection of plants. Nauka i zhyttia 12 no.2:8-10
F '63. (MIRA 16:4)

1. Institut organicheskoy khimii AN UkrSSR (for Yefimov).

(Agricultural chemicals)
(Plants, Protection of)

LOBOV, V., kand.biolog.nauk

What new achievements does science offer to agriculturalists?
Nauka i zhyttia 12 no.3:40-41 Mr '63. (MIRA 16:11)

LOBOV, V. A.

LOBOV, V. A. -- "The Tectonics and Petroleum Reserves of Kuybyev Oblast."
Inst of Petroleum, Acad Sci USSR. Central Volga Dispatching Office,
VNIGNI. Kuybyshev, 1955. (Dissertation for the Degree of Doctor
in Geologicomineralogical Sciences)

SO: Knizhnaya Letopis', No 1, 1956, pp 122-122, 124

LOBOV, V.A.; KOPROVA, N.A.

Association of gas content to depths. Razved. i prom.geofiz.
no.12:24-29 '55. (Oil well logging) (MLRA 9:7)

LOBOV, V.A.; KOPROVA, N.A.

Method of establishing gas-liquid boundaries in pools having
carbonate reservoirs. Razved.i okh.nedr 21 no.6:20-26 N-D '55.
(MLRA 9:12)

(Prospecting) (Petroleum geology)

LOBOV, Vasilii Aleksandrovich (Middle-Volga Geochemical Expedition,
AU Sci Res Geological-Prospecting Oil Inst) awarded sci degree of
Doc Geological-Mineralogical Sci for 1 Mar 56 defense of dissertation:
"Tectonics and oil-bearing prospects of Kuybyshev Oblast" at the Council,
Oil Inst, AS, USSR; Prot No 9P, 15 Feb 58.
(BmVO, 6-58,20)

LOBOV, V.A.

NALIVKIN, V.D.; ROZANOV, L.N.; FOTIADI, E.E.; YEGOROV, S.P.; YENGURAZOV, I.I.; KOVALEVSKIY, Yu.S.; KOZACHENKO, A.A.; KONDRAT'YEVA, M.G.; KUZNETSOV, G.A.; KULIKOV, F.S.; LOBOV, V.A.; SOFRONITSKIY, P.A.; TATARINOV, A.G.; PRITULA, Yuriy Aleksandrovich, redaktor; DAYEV, G.A., vedushchiy redaktor; GENNAD'YEVA, I.M., tekhnicheskiy redaktor.

[Volga-Ural oil-bearing region: Tectonics] Volgo-Ural'skaya neftenosnaya oblast'. Leningrad, Gos.nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1956. 312 p. (Leningrad. Vsesoiuznyi neftianoi nauchno-issledovatel'skii geologo-razvedochnyi institut. Trudy, no.100) [Microfilm] (MLRA 10:4)

(Volga Valley--Petroleum geology)

(Ural Mountain Region--Petroleum geology)

Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,
pp 164-165 (USSR) 15-57-5-6876

AUTHOR: Lobov, V. A.

TITLE: The Geological Results of Gas Logging in the Kuybyshev Oblast (O geologicheskikh rezul'tatakh gazovogo karotazha v Kuybyshevskoy oblasti)

PERIODICAL: Prikl. geofizika, Nr 14, 1956, pp 201-206.

ABSTRACT: In 1951-53, productive horizons in Carboniferous and Devonian strata were detected by gas logs. The author enumerates the potentially productive horizons, according to gas logs, in the Permian, Carboniferous, Devonian, and pre-Devonian deposits. Judging from the gas logs, the author believes the oil deposits of the Kuybyshev oblast to be multilayered.

Card 1/1

V. M. G.

ZAYDEL'SON, M.; LOBOV, V.

Out-of-town session of the learned council of the All-Union
Petroleum Institute for Geological Survey. Geol. nefi 2 no.7:
68-69 J1 '58. (MIRA 11:8)
(Petroleum geology) (Gas, Natural—Geology)

LOBOV, V.A.; ALEKSEYEV, G.I.; ZAYDEL'SON, M.I.

Oil-and gas-bearing prospects of Paleozoic sediments in Kuybyshev,
Orenburg, and Ul'yansovsk Provinces. Geol. nefti 2 no.5:8-17 My
'58. (MIRA 11:5)

1. Kuybyshevskaya ekspeditsiya Vsesoyuznogo nauchno-issledovatel'-
skogo geologo-razvedochnogo neftyanogo instituta.
(Volga Valley--Petroleum geology) (Volga Valley--Gas, Natural--Geology)
(Orenburg Province--Petroleum Geology)
(Orenburg Province--Gas, Natural--Geology)

ALEKSEYEV, G.I., DUBININ, A.Z., ~~LOBOV~~, V.A.

Oil-and gas-bearing zones in the central and trans-Volga regions.
Geol. nefti Supplement to no. 7:58-65 '58. (MIRA 11:8)
(Volga Valley--Petroleum geology)
(Volga Valley--Gas, Natural--Geology)

ZAYDEL'SON, M.I.; LOBOV, V.A.; FURSMAN, B.G.

Studying the distribution of hydrocarbons in subsoil air in the
Leningrad region. Trudy VNIGMI no.17:250-252 '59.

(MIRA 13:1)

(Leningrad region--Gas, Natural--Geology)

LOBOV, V.A., doktor geol.-mineral.nauk; ALEKSEYEV, G.I.

Oil and gas potentials of Paleozoic sediments in Kuybyshev, Orenburg,
and Ul'yanovsk Provinces. Trudy VNIGNI no.22:37-55 '59.
(MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologo-razvedochnyy neftyanoy
institut.

(Orenburg Province--Petroleum geology)
(Orenburg Province--Gas, Natural--Geology)
(Volga Valley--Petroleum geology)
(Volga Valley--Gas, Natural--Geology)

RUDAKOVA, N.Ya.; SEREDA, Ya.I.; LOBOV, V.A.; POLISHCHUK, S.A.; GONOPOL'SKIY,
L.Ye.

Acid-alkali removal of acid sludge and alkali waste from
transformer distillate using electric separation. Neft. i
gaz. prom. no.1:49-52 Ja-Mr '64. (MIRA 18:2)

L 45119-65 EWT(m)/EPF(c)/T Pr-4 DJ
ACCESSION NR: AP5005733

S/0318/65/000/001/0014/0015 19

AUTHOR: Rudakova, N. Ya.; Polishchuk, S. A.; Lobov, V. A.; Gamolina, L. N.

TITLE Possibility of manufacturing transformer oil and freon from Valenskaya (Moldavian SSR) petroleum

SOURCE: Neftepereverabotka i neftekhimiya, no. 1, 1965, 14-15

TOPIC TAGS: Valenskaya crude oil, transformer oil, freon, transformer oil yield, freon yield, paraoxydiphenylamine additive, chemical treatment, transformer oil production, freon production/ VTI-1 additive

ABSTRACT: The 300-400° lube cut obtained from Valenskaya petroleum is used as the distillate for the manufacture of transformer oil. The distillate whose highest freezing point is -45°C is chemically treated and yields stable transformer oil, with a consumption of 36% of acid of 94% concentration. The yield of transformer oil on the petroleum is 27% and is obtained without the use of antioxidant additives. The 370-410° fraction serves as the distillate for the manufacture of freon and is chemically treated. The freon, however, is unstable even when using up to 80% acid on the distillate. Only the use of antioxidants produces satisfactory stability and reduces the acid consumption to 50% on the distillate. The use

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L 43119-65

ACCESSION NR: AP5005733

of 0.02% VTI-1 additive (paraoxydiphenylamine) makes it possible to obtain KhF-12 freon with a stability corresponding to GOST specifications. The material balance of the chemical treatment for both distillates is given in Table 1 of the Enclosure. Orig. art. has: 3 tables.

ASSOCIATION: UkrNIIGiproneft', L'vovskiy filial (UkrNIIGiproneft', L'vov Branch)

SUBMITTED: 00

ENCL: 01

SUB CODE: FP

NO REF SOV: 000

OTHER: 000

Card 2/3

LOBOV, V.N.

Demonstrating synchronous transmissions. Fiz.v shkole 22
no.6:60-61 N-D '62. (MIRA 16:2)

1. 9-ya srednyaya shkola, g. V.-Ustyug Vologodskoy oblasti.
(Servomechanisms)

LOBOV, V. P.

LOBOV, V. P. — "The Physiological Characteristics of the Structure of the Wheat Harvest in Order to Determine the Optimum Relationship between Straw and Grain under the Irrigated Conditions of the Southern Ukrainian SSR." Acad Sci Ukrainian SSR. Inst of Botany. Kiev, 1955. (Dissertation for the Degree of Candidate in Biological Sciences)

SO: Knizhnaya Letopis', No 1, 1956, pp 102-122, 124

LOBOV, V. P., kand. biolog. nauk; YEFIMOV, G. O. [IEfimov, H. O.]

Modern methods of the chemical control of weeds. Khim. prom.
[Ukr.] no.1:40-43 Ja-Mr '62. (MIRA 15:10)

1. Nauchno-issledovatel'skiy institut organicheskoy khimii
AN UkrSSR.

(Weed control)

KIRSANOV, A.V., akademik; LOBOV, V.P., kand.biolog.nauk

Effective control measures against the sugar beet weevil.
Vest. AN SSSR 32 no.11:95-96 N '62. (MIRA 15:11)

1. AN UkrSSR (for Kirsanov).
(Ukraine—Sugar beets—Diseases and pests)
(Ukraine—Weevils) (Insecticides)

LOBOV, V.P.; KALININ, F.L.; LEPPIK, L.A.

Studying the effect of 77 different substances on Acroptilon
picris. Nauch.trudy Ukr.nauch.-issl.inst.fiziol.rast. no.23:
173-183 '62. (MIRA 16:2)

(Acroptilon) (Herbicides)

LOBOV, V.P.; YEFIMOV, G.A. [IEFimov, H.O.]; GORDAYA, M.V. [Horda, M.V.]

Herbicidal properties of diphenyl ethane derivatives. Dop. AN
URSR no.5:682-686 '64. (MIRA 1966)

1. Institut organicheskoy khimii AN UkrSSR. Predstavleno akademikom
AN UkrSSSR D.K.Zerovym.

YEFIMOV, G.A. [IEfimov, H.O.]; LOBOV, V.P.

Insecticidal properties of the parathionophenyl ester of
phenylfluorothiophosphinic acid. Dop. AN UkrSR no.7:769-971
'64. (MIRA 17:9)

1. Institut organicheskoy khimii AN UkrSR. Predstavleno akademikom
AN UkrSR A.P.Markevichem [Markovych, A.P.].

LOBOV, V.P.; KALININ, F.L.

Nature of physiological changes in monocotyledons and dicotyledons
under the influence of herbicides. Ukr. bot. zhur. 20 no.3:19-24
'63. (MIRA 17:9)

1. Institut fiziologii rasteniy AN UkrSSR.

СНОВ, В. В.

Grown stimulating properties of cyano derivatives of benz tri-
chloride. Dokl. AN USSR 199 no.1.210 N 194.

(MIRA 17:12)

I. Institut org.licheskoy khimii AN UkrSSR. Predstavleno
akademikom A.I. Kursanovym.

PERESYFKIN, Vladimir Fedorovich; POLIN, Vladimir Gdaliich;
YEFIMOV, Gendrikh Aleksandrovich; LOB V. Viktor
Pavlovich; LOPATIN, Valentin Matveyevich;
MEL'NICHUK, Aleksandra Semenovna; CHEKHOV, N.F.,
red.

[Present-day chemical means for plant protection
(pesticides)] Sovremennye khimicheskie sredstva za-
shchity rastenii (pestitsidy). Kiev, Urozhai, 1967.
345 p. (MIRA 18:1)

LOGOV, V.P.; YAGODIN, I.N.;, I.I., FIANOV

Fungicidal properties of the substitutes of
benzilidene chloride. Dokl. Akad. Nauk SSSR. 1965. 203:355-357
My-Je '65. (MIRA 18:7)

1. Institut organicheskoy khimii AN UkrSSR.

LOBOV-SHARONOV, A.

Critique of the bourgeois essence of laborism ("Marx against
Keynes" by John Eaton. Reviewed by A. Lobov-Sharonov). Sots.
trud 4 no.2:154-158 F '59. (MIRA 12:4)
(Socialism) (Eaton, John)

USSR/Microbiology. Hemoglobinophilic Bacteria. Brucellae

F-5

Abstr Jour : Ref Zhur - Biol., No 14, 1958, No 62472

Author : Myakisheva A.M. Lobova ...

Inst : State Scientific-Central Institute of Veterinary Preparations

Title : On Questions of Preparations of Brucellous Agglutinating
Serum from Large Cattle.

Orig Pub : Tr. Gos. nauchno-kontrol'n. in-ta vet. preparatov, 1957, 7,
71-74

Abstract : No abstract

Card : 1/1

LCBWA, L.A.

Effect of aminazine on the vessels of the extremities and the
liver of frogs with an increased tone of the vascular wall.
Nauch. trudy Riaz. med. inst. 15:63-65 '62. (MERA 17:5)

1. Kafedra farmakologii (zav. kafedroy -- dotsent A.A. Nikulin)
Ryazanskogo meditsinskogo instituta imeni Pavlova.

L 3666-66 EWT(m)/EPT(c)/EWP(j) RM
ACCESSION NR: AP5017841

UR/0286/65/000/011/0078/0078
678.763.043

AUTHOR: Terent'yev, A. P.; Yermolayev, A. V.; Rukhadze, Ye. G.; Ipozentseva, A. V.;
Bobrova, N. I.; Malaya, Z. I.; Lobova, A. N.

TITLE: Vulcanisation process for fluorocarbon elastomers. Class 39, No. 171567

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 11, 1965, 78

TOPIC TAGS: fluorocarbon elastomer, vulcanisation, vulcanizing agent

ABSTRACT: An Author Certificate has been issued for vulcanizing agents for fluoro-
carbon elastomers. To improve the physical and mechanical properties of the vulcan-
izates and to simplify the vulcanisation process, the vulcanizing agents used are
cobalt N, N'-ethylenebis(salicylidinimine) and/or titanium salicylidinimine. [6M]

ASSOCIATION: none

SUBMITTED: 21Apr62

ENCL: 00

SUB CODE: MT

NO REF SOV: 000

OTHER: 000

ATD PAGES: 4047

Card 1/1

Ural'skiy sotschetal'nyy po spkh:rov'

Material 2 final, also somewhat abridged p. 381-382, Swerdlow, 1989 6.
(Materials of the Second Youth Conference on Spectroscopy, Bell in Swerdlow, 1988) Swerdlow, Metallurgist, 1989, 206 p. Extra slip inserted. 1,000 copies printed.

Sponsoring Agency: Gradually filled Akashika tank with. Komatsiya po spish-
trokopi and gradually from bottom of tank.

Edw. J. G. Kennedy - 1 City National Economy Fund
111 N. W. 1st St.

PURPOSE: This collection of articles is intended for students, teachers, and many workers at various and modernising institutions, and for the primary personnel of the metal-working industry, technological and protecting organisations, and similar scientific research laboratories.

CONTENTS: The collection contains papers read at the Second Paris Conference on the Spectroscopic Analysis of Gases and Condensed Matter and also, on the spectroscopic analysis of vapors and other materials used in industry. The material of the conference includes articles on the analysis of solids (including the determination of gases), *Perchlorates*, *monomers and light emitting materials*, *new optical materials*, etc. The present volume is intended to disseminate the latest experience in working with spectral laboratories, and to report on the results of scientific research. The author thanks N. I. Ginzburg and Yu. M. Novitskiy. Almost all of the articles are accompanied by references.

Solubility, G. Te. Investigation of the Interaction of the Components of an Alloy on the Degree of Ionization of Atoms

Alexandrov, Yu. N. Some Distribution Characteristics of Particles
in an A-C Arc

4. Galotabula, G. To. Investigation of Evaporation Kinetics of Oxidizing Metallic Electrodes of an Arc

Solov'ev, A. V., G. K. Kostin, and V. P. Shtromovskiy. Double Re-
fraction of Polarized Scattering Crystals

Surveyor, T. A. H. Problems of the Entry of the Probe Material into the Excavating Closed During the Spectral Analysis of Steel

Mal'tsev, N. G., and E. I. Ponomarev. Application of Contact Electric Spark Transfer for Elucidating the Effect of Composition, Structure, and Mode of Sampling During the Spectral Analysis of Certain Alloys

and leads to complete loss of strength. Barrett, Jr., R. M., B. E. Kozicki, and V. L. Dell'Orth, Investigation of the Effect of Structure on the Specimen Analysis Results of Structural Steel

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